

# LUPTON CASEMENTS



OF COPPER-STEEL

COPYRIGHT 1926  
DAVID LUPTON'S SONS CO.

# LUPTON CASEMENTS *of Copper-Steel*



CATALOG C-122  
2nd EDITION

## DAVID LUPTON'S SONS COMPANY

*Founded 1871*

PHILADELPHIA, U. S. A.

ATLANTA  
BALTIMORE  
BOSTON

BUFFALO  
CHICAGO  
CLEVELAND

DALLAS  
DETROIT  
LOS ANGELES

NEWARK  
NEW YORK  
PITTSBURGH





*THE essential practicality of Lupton Casements, as well as their charming appearance, has won them a wide acceptance among architects, builders, and discriminating home-owners. Lupton casements of copper-steel are made in the large variety of standard sizes shown on page 11. Immediate shipment can be made from large stocks.*

# LUPTON CASEMENTS

## *of Copper-Steel*

NATURALLY, the window from which lovely Juliet gazed so fondly, the window which figures so prominently in Anglo-Saxon traditions,—was a casement. The haughty Capulets, like modern people of good taste, would have nothing less artistic in their home. With such an historic background, the casement has long taken first rank amongst windows, its old-world charm heightening the artistic appeal of any surroundings.

Home-lovers have always associated casement windows with the home they would like to build because, of all types, they are the most attractive, convenient, and natural in the home. In spite of this well-deserved popularity, casement windows were, until a few years ago, not practical for the average modern homeowner. Being formerly made of wood, they were subject to warping and were hard to make weather-tight. And, where metal casements could be procured, they were so expensive as to prohibit general use.

Now, however, beautiful and practical casements of copper-steel, made by Lupton, are available to builders everywhere—at a cost but slightly higher than that of ordinary windows. Lupton, familiar for years with the desires of home-owners and builders, has designed the Lupton Casement to meet every requirement.

The slender lines of these casements harmonize gracefully with any scheme of decoration and the proportions lend them-

selves readily to a variety of architectural styles. Double, oversize weather-contacts insure perfect protection against storms, while the smoothly operating hinges permit convenient ventilation at all times. Solid copper-steel members and an improved welding process give them their durability—their resistance to warping and decay. In short, Lupton has achieved the quantity production of steel casements which successfully combine beauty, durability, and convenience.

Lupton has made it easy to have these charming casements in any home because of the many sizes carried in stock for immediate delivery. They come completely assembled, and are as easy to set as a wood window.

Copper-steel is not a catch term used to sell the product: it is a descriptive title for a strong, resistant alloy, admirably adapted to the manufacture of articles which must be exposed to the weather. All members of Lupton casements are rolled from solid copper-steel.

Lupton Casements of copper-steel add markedly to the beauty of the home, both inside and out; they protect the interior from rain and dust; and they give never-failing service during many years of usefulness. Their acknowledged worth is the direct result of Lupton's determination to maintain the same leadership in the manufacture of steel casements for homes that Lupton maintains in the building of steel sash for all other types of buildings.



# DETAILS OF CONSTRUCTION

WHOEVER said that beauty was only skin deep spoke of something other than Lupton Casements. They are not only charming in appearance but are beautifully made—through and through.

*Handles.* Attractive hardware partly accounts for the popularity of Lupton Casements. The handles of the ventilators are of clean-cut design, pleasantly ornamental but not overly conspicuous. They are just the right size for convenient use and are securely attached in a manner which leaves no unsightly screws or bolts to be viewed from the outside. They bear against a raised button keeper when in the locking position and contain a positive, concealed stop which prevents



*These handles have a comfortable feel and give just the right leverage to fasten the window securely.*

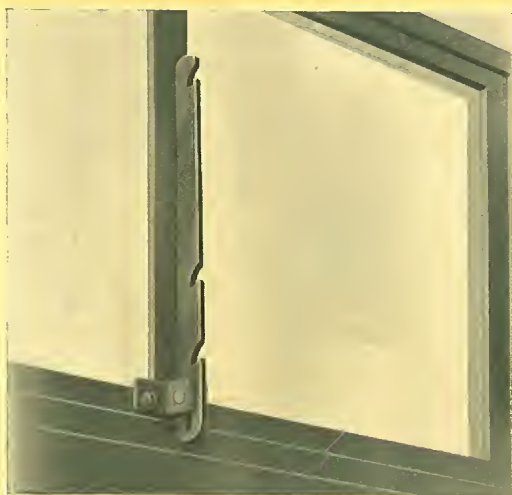
turning them too far. A simple twist of the wrist is all that is necessary to make the casements tight and proof against weather and dust.

*Stout Welded Corners.* Welding the corners of frame and ventilator is accomplished by an exclusive process which gives an accuracy and rigidity not previously attained in

any window. A simple test demonstrates this fact.

Open the unglazed ventilator to a 90° position and stand on it. Then close the ventilator and it will be found to have suffered no distortion and to return accurately into place.

*Transom.* When the transom is opened, the notched stay bar automatically holds



*The transom bar, slotted at the lower end, drops down and locks the ventilator when closed.*



*Notches in the transom bar fit over the window frame and hold the ventilator securely when open.*

it firmly in the desired position. When the transom ventilator is closed, the stay bar lies close to the sash and locks the ventilator, due to its being slotted at the lower end.

*Extended Hinge.*

These extended hinges combine serviceability with good looks. They are made of malleable iron and have a removable screw pivot and bronze bushings to give a smooth and easy action. The self-draining design reduces adhesion surfaces to a mini-

imum and prevents binding by ice or dirt. The extended movement draws the ventilator away from the frame in opening and thus leaves room for cleaning both sides of the windows from the inside.

*Interlocking Joint.* Another example of Lupton craftsmanship—the interlocking muntin joint—is shown here. Besides

adding to the strength and rigidity of the muntins, this joint presents a thoroughbred appearance on the inner side of the sash where refinements of this nature are most appreciated.

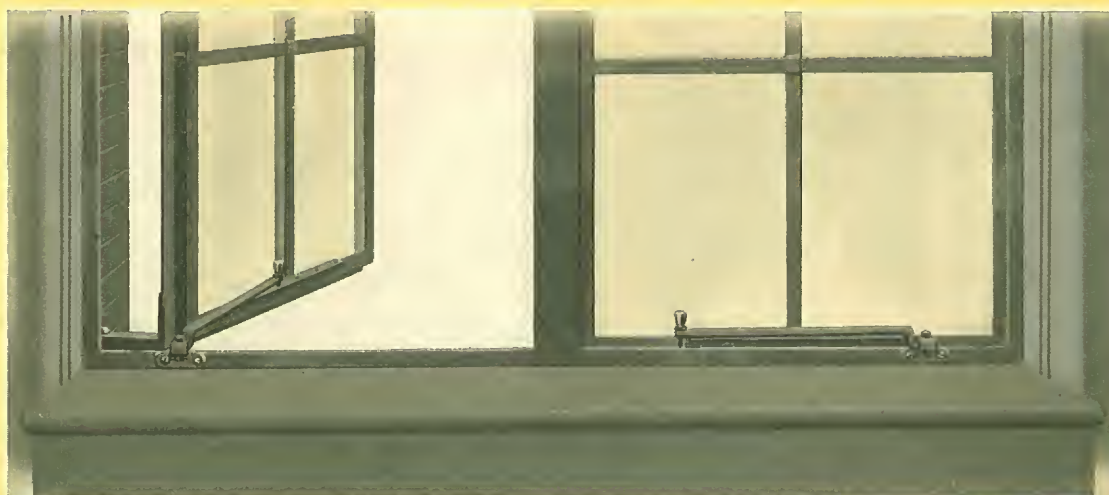
*Peg Stay and Adjuster.* A Peg Stay holds the window open at desired angles for ventilation. The tapered brass peg at the end of the stay fits snugly into various holes in an angle fastened to the lower sash member. When the ventilator is closed, this peg stay lies free

so that it cannot be injured through careless opening of the window. A sliding adjuster with brass slide and thumb-screw will be furnished when specified.

*Special Sections.* More special rolled sections are used in this casement than in any other make; yet on the whole Lupton uses a fewer number of pieces.



The stay bar is easy to drop into place. The extended hinges permit washing both sides of the window from the inside.



The refinement of the interlocking muntin joint is apparent from one glance at the window. The stay bar lies snug against the sash when closed.





ALTHOUGH Lupton Casements are widely used in fine residences, small houses can enjoy these beautiful windows, too—at a moderate cost made possible by quantity production.



ONE advantage of Lupton Casements is that they harmonize with any architectural treatment, such as this example of a California home.



THE charm of old English design, here expressed in lasting stone, is rounded out by the beauty and permanence of Lupton steel casements.





# SPECIFICATIONS *for* LUPTON CASEMENTS

## CONSTRUCTION

Casements are made of specially rolled low carbon copper-bearing steel sections. The corner joints of all frames and ventilators are welded. Muntins are riveted into frame members and have locked joints at intersections.

## STANDARD HARDWARE

Side hinged windows have malleable iron window-cleaning (extended) hinges with special removable screw, bronze bushings and bronze washer. Top hinged transoms and standard one light wide side hinged windows have close up hinge of similar design. Hinges are riveted to frames and ventilators.

Side hinged windows are equipped with malleable iron locking handle, bronze keeper, and steel stay-bar adjuster with tapered brass peg to prevent rattle. Top hinged transoms have notched locking stay-bar. All hardware is shipped attached.

Note: Bronze handles and sliding adjuster with brass slide and thumb screw can be furnished at additional cost.

## PAINTING

All sash receive one coat of manufacturers standard oven-dried gray paint before shipment.

## GLAZING

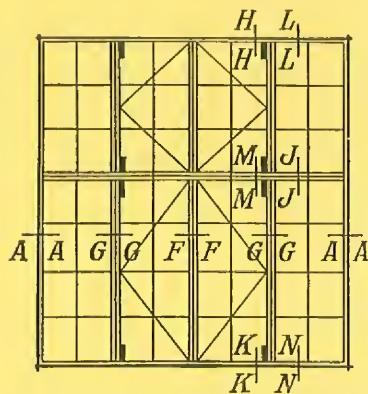
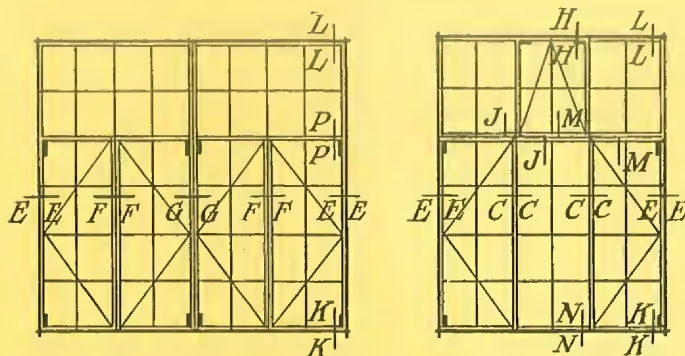
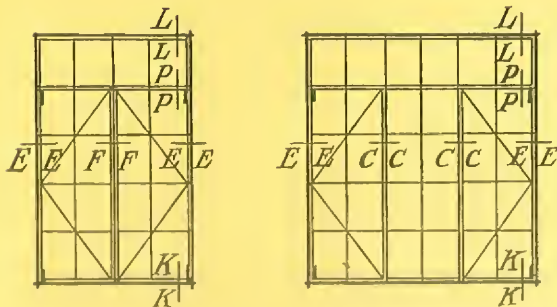
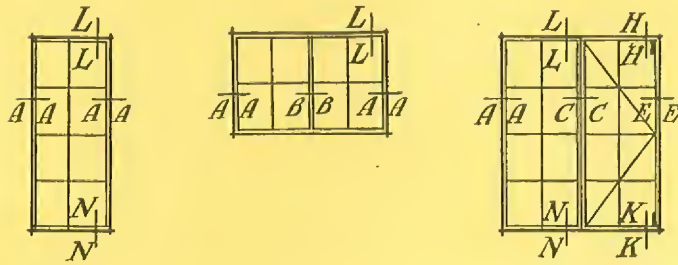
All sash shall be glazed with (kind of glass) glass set in Lupton casement putty and secured with spring glazing clips.

## ERECTION

Erection shall be done by (state by whom)  
The space between sash and opening shall be caulked with Lupton Elastic Pointing Cement. Where horizontal imposts occur, the concealed space between frame members and impost bar shall be filled with casement putty.

# VERTICAL SECTIONS

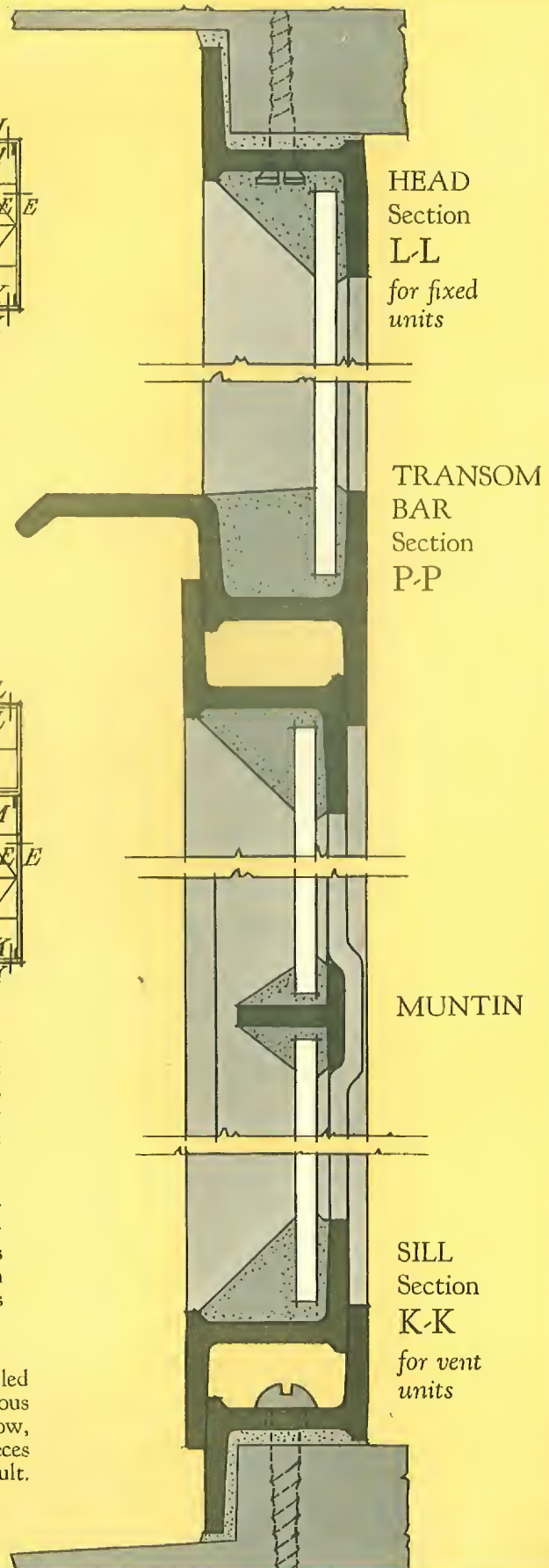
FULL SIZE



On this and the following two pages will be found full size sections showing all the conditions indicated in the diagrams above.

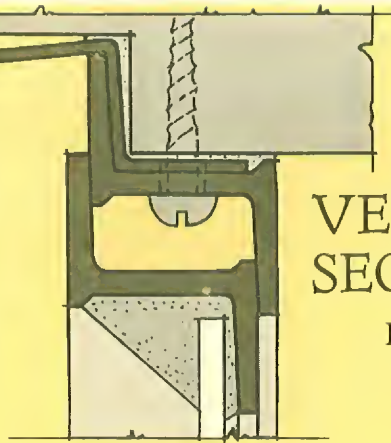
Half size sections showing diagram details of installation in various types of construction will be found on pages 13, 15, and 17.

Attention is called to the fact that more special rolled sections are used in the Lupton Sash to meet the various conditions, than are used in any other type of window, yet on the whole Lupton uses a fewer number of pieces than any other window builder to obtain the same result.





HEAD  
Section  
H-H  
for vent  
units



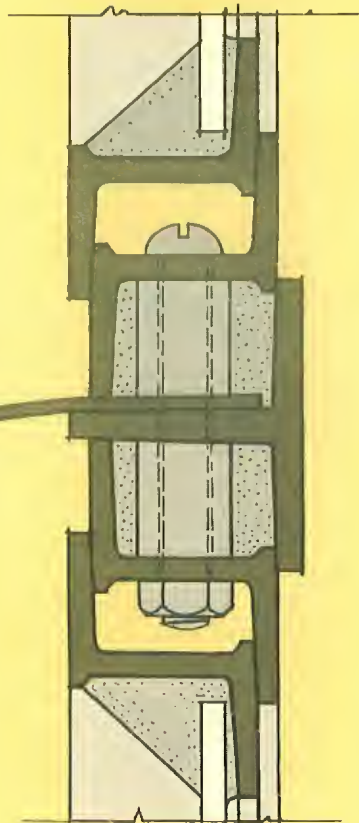
# VERTICAL SECTIONS

FULL SIZE

HEAD  
Section  
L-L  
for fixed  
units

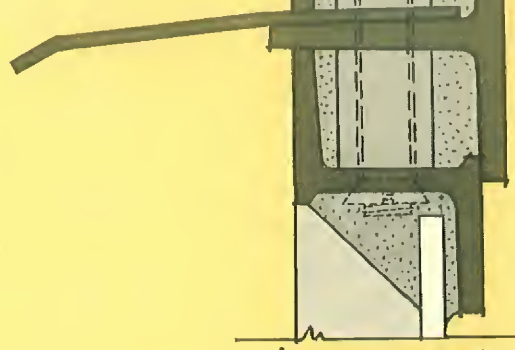


IMPOST  
Section  
M-M  
for vent  
units

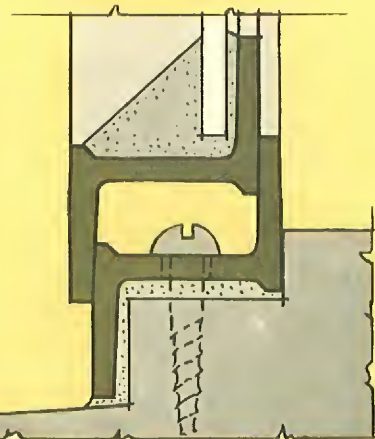


Note: All sash  
dimensions  
given on page  
11 are out-to-  
out of flange

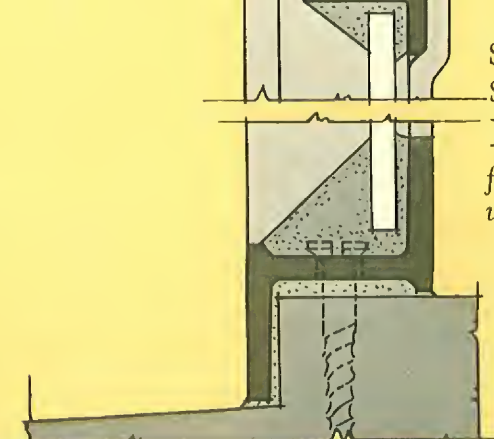
IMPOST  
Section  
J-J  
for fixed  
units



SILL  
Section  
K-K  
for vent  
units

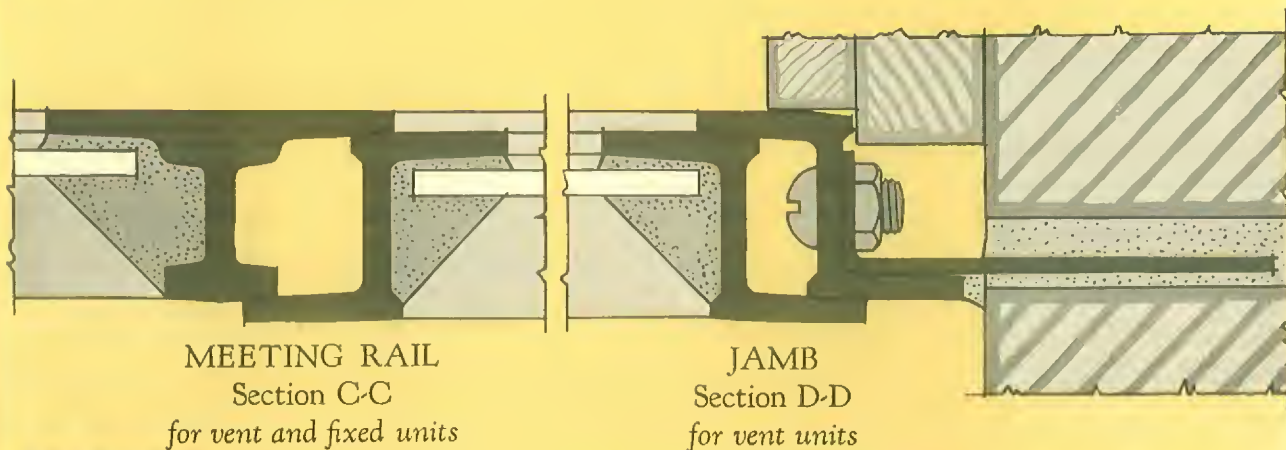
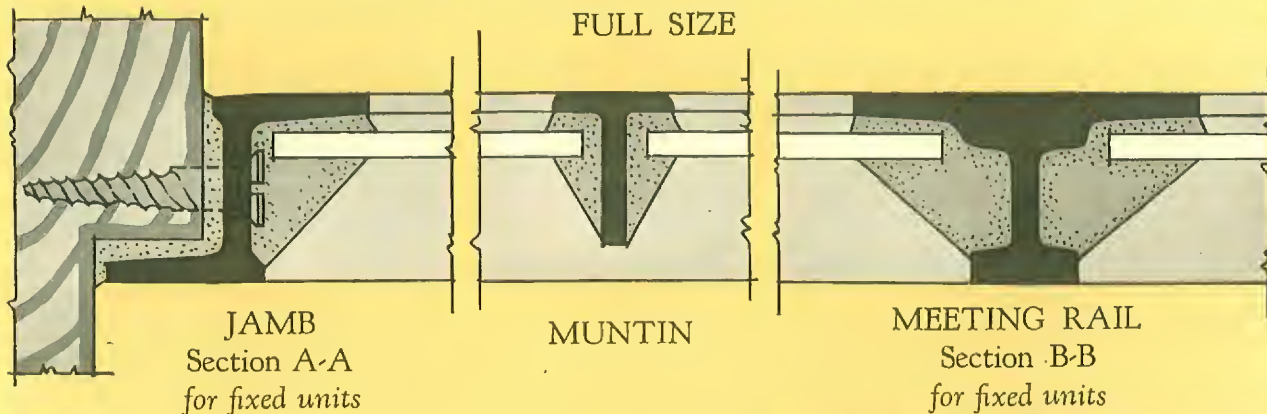


SILL  
Section  
N-N  
for fixed  
units

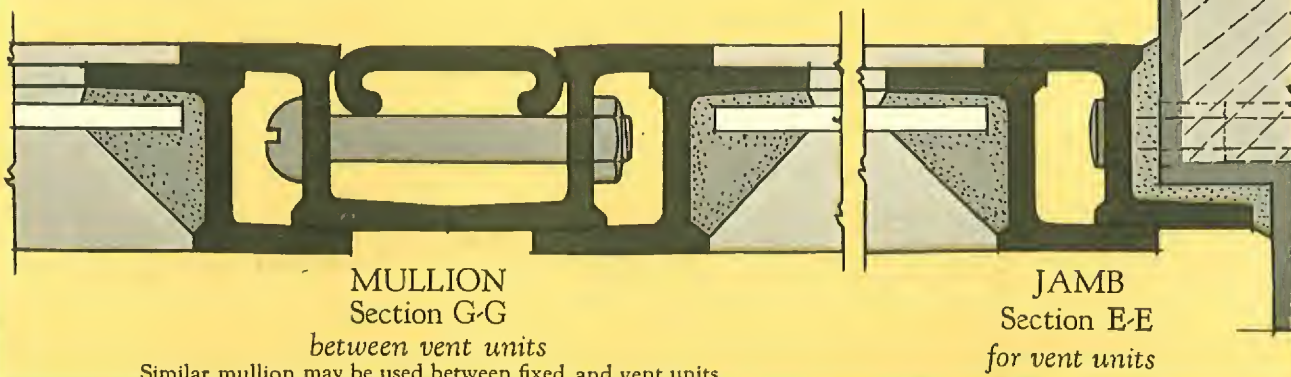
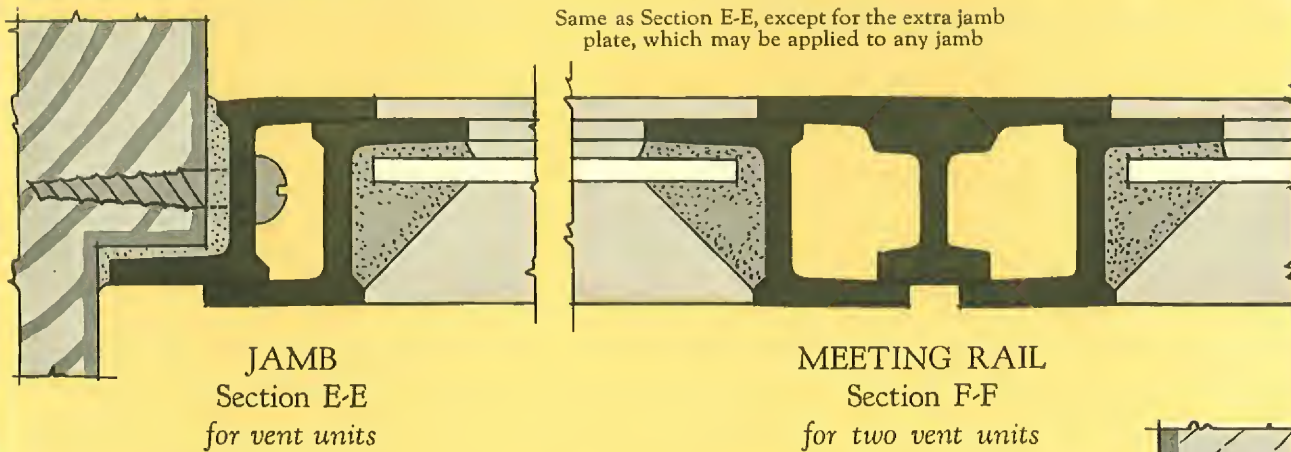


# HORIZONTAL SECTIONS

FULL SIZE

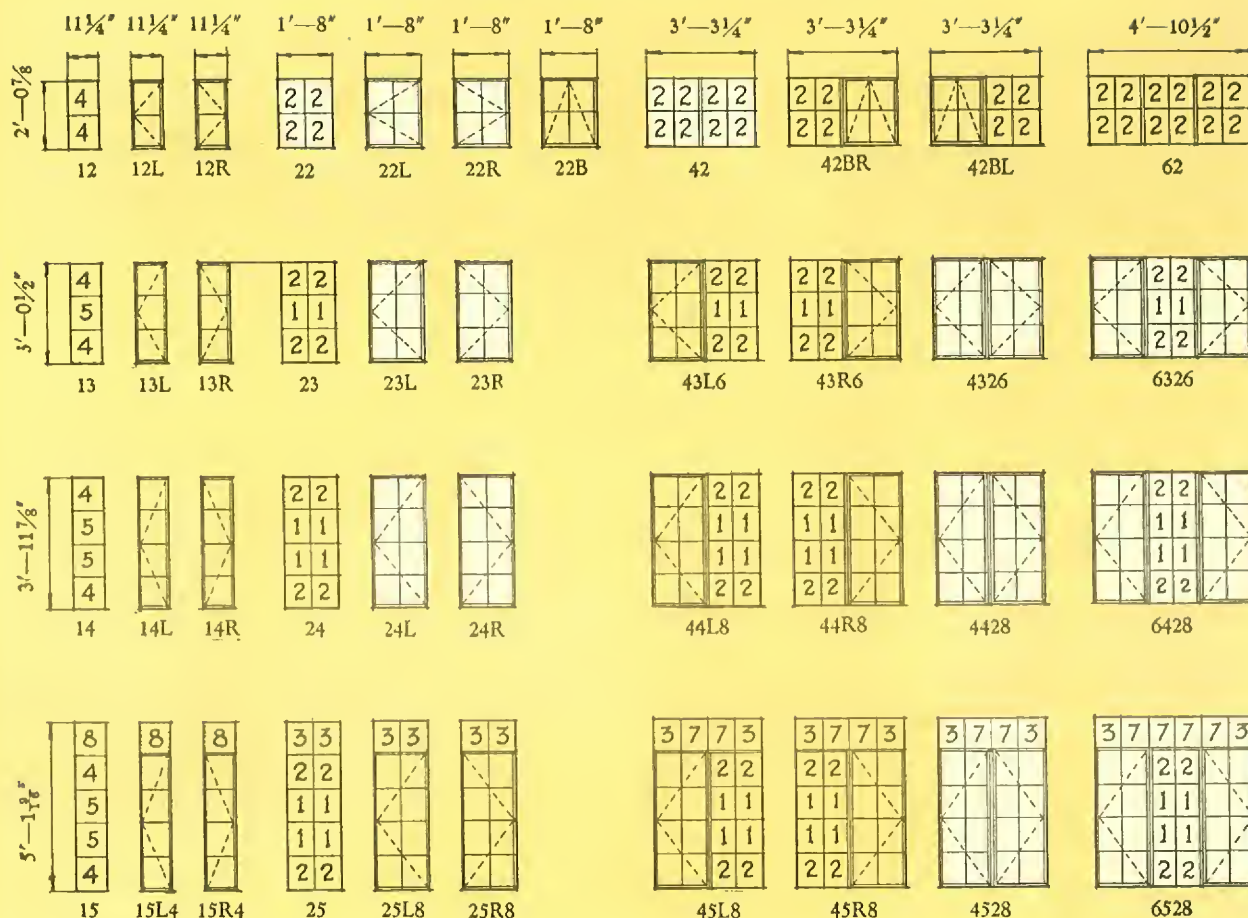


Same as Section E-E, except for the extra jamb plate, which may be applied to any jamb





# STANDARD SIZES



## Stock Sizes

Units shown here in clear white are carried in stock. Other units shown are standard sizes but are not carried in stock.

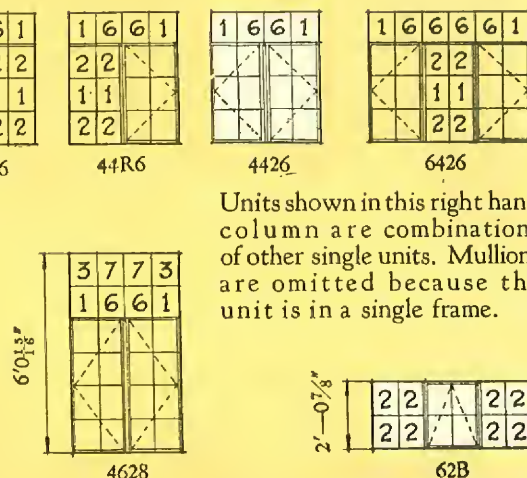
The dimensions given are in each case the "overall dimensions" of the units, i.e. out-to-out of flange.

All windows shown are as viewed from the inside. A left hand sash swinging from the right toward the left is indicated by dotted lines converging toward the left. A right hand sash swinging from the left toward the right is indicated by dotted lines converging toward the right. Transoms that open out at bottom are indicated by dotted lines converging toward the top.

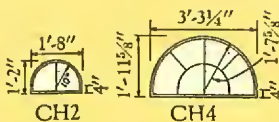
## Glass Sizes

All lights of glass are  $8\frac{1}{2}'' \times 11''$  except those noted otherwise. Lights marked 1 are  $9'' \times 11''$  Lights marked 5 are  $9\frac{1}{2}'' \times 11''$  Lights marked 2 are  $9'' \times 11\frac{1}{2}''$  Lights marked 6 are  $9\frac{1}{4}'' \times 11''$  Lights marked 3 are  $9'' \times 13''$  Lights marked 7 are  $9\frac{1}{4}'' \times 13''$  Lights marked 4 are  $9\frac{1}{2}'' \times 11\frac{1}{2}''$  Lights marked 8 are  $9\frac{1}{2}'' \times 13''$

The wide variety of standard size Lupton Casements is shown in the above diagram.



Units shown in this right hand column are combinations of other single units. Mullions are omitted because the unit is in a single frame.



**NOTE:** Sizes shown in clear white are carried in stock

On circle head unit combinations add  $\frac{3}{16}''$  for horizontal mullions between upper and lower units.

# HARDWARE



No. 134 R  
No. 135 L

## *Standard Handle*

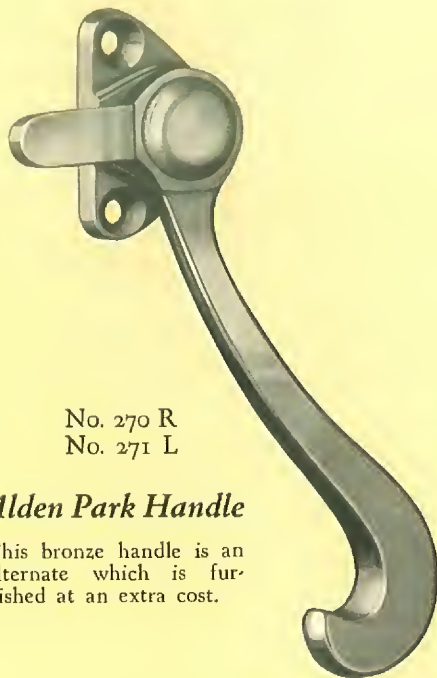
This handle made of malleable iron is the one regularly furnished with all casements.



No. 234 R  
No. 235 L

## *Bronze Handle*

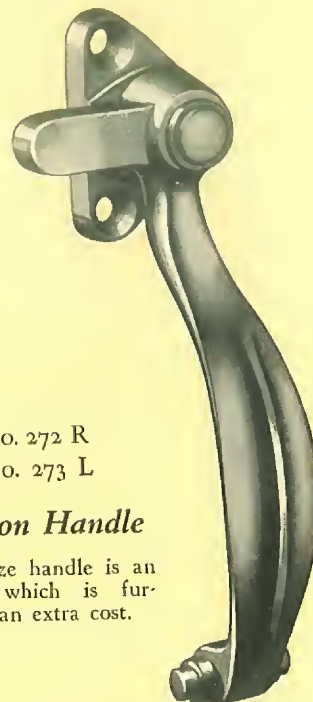
Similar design to the standard malleable handle. Furnished when specified at extra cost.



No. 270 R  
No. 271 L

## *Alden Park Handle*

This bronze handle is an alternate which is furnished at an extra cost.



No. 272 R  
No. 273 L

## *Sheraton Handle*

This bronze handle is an alternate which is furnished at an extra cost.



## *Standard Stay-bar*

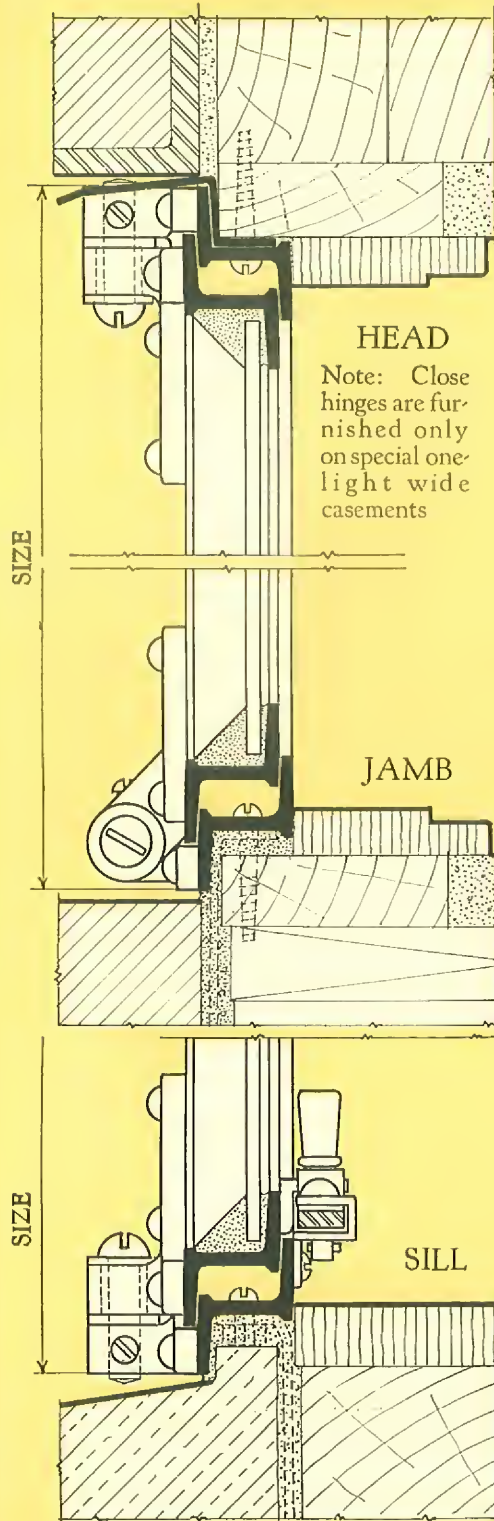
This is the standard steel stay-bar adjuster with tapered brass peg regularly furnished



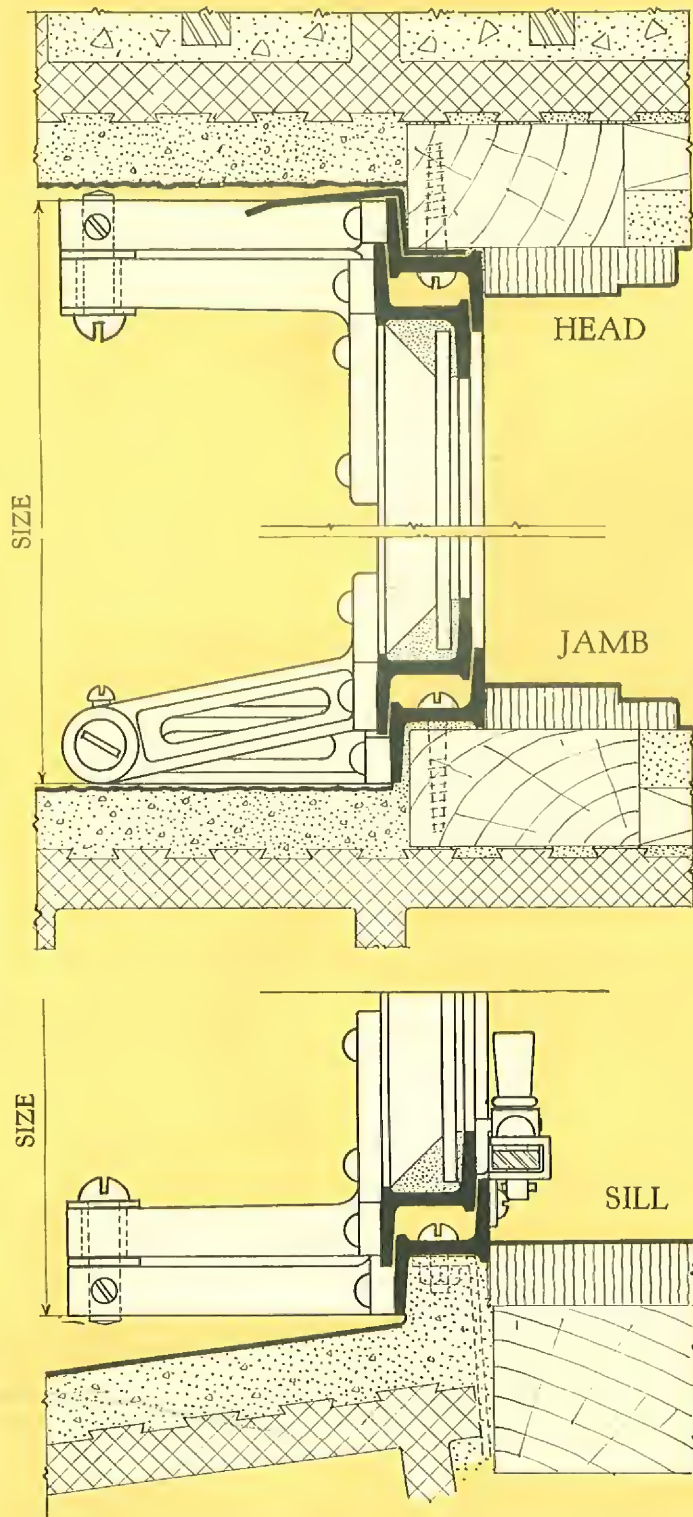
# DETAILS OF INSTALLATION

ONE HALF SIZE

## BRICK WALLS



## TILE WALLS





*MODERN* interior decoration provides the lined drape as the proper means of controlling light from a window. Whether the drapes are closed to a narrow slit or opened the entire width of the window, the illumination admitted reaches the full height of the room.



*A DORMER* is more than a dormer when casement-fitted. It takes on an added expansiveness in feeling and in view.

*HOUSES* are made to live in—comfortably. Lupton Casements forward this purpose to a remarkable degree by bringing an added comfort, convenience, and charm. They make home more liveable.

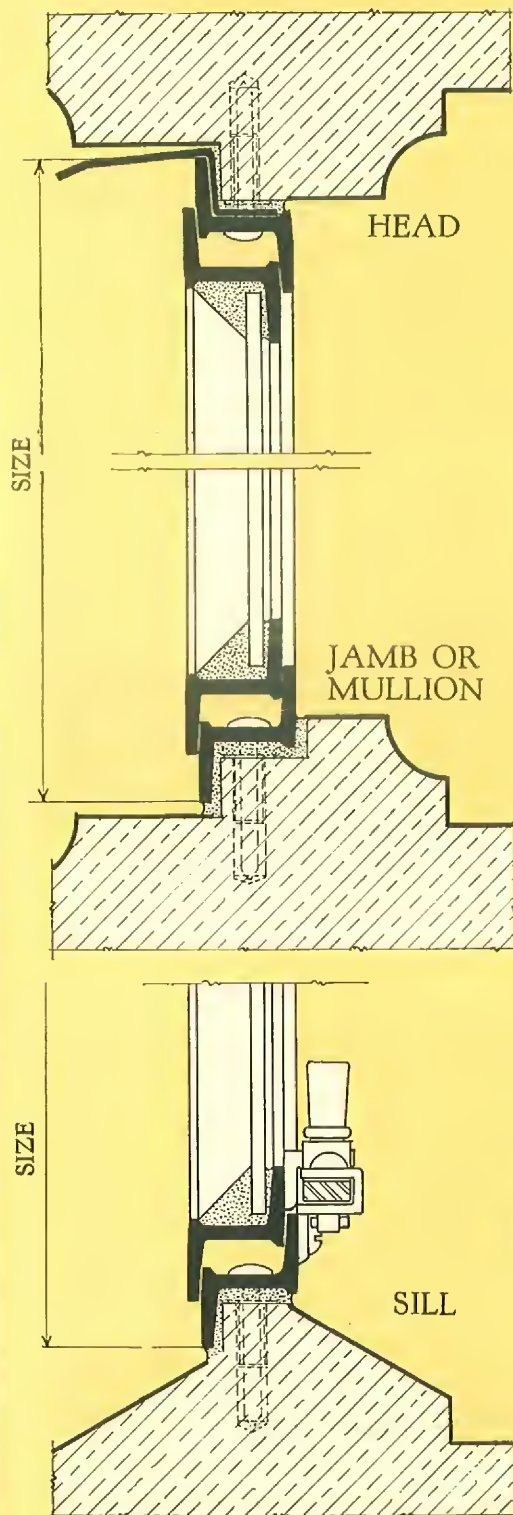




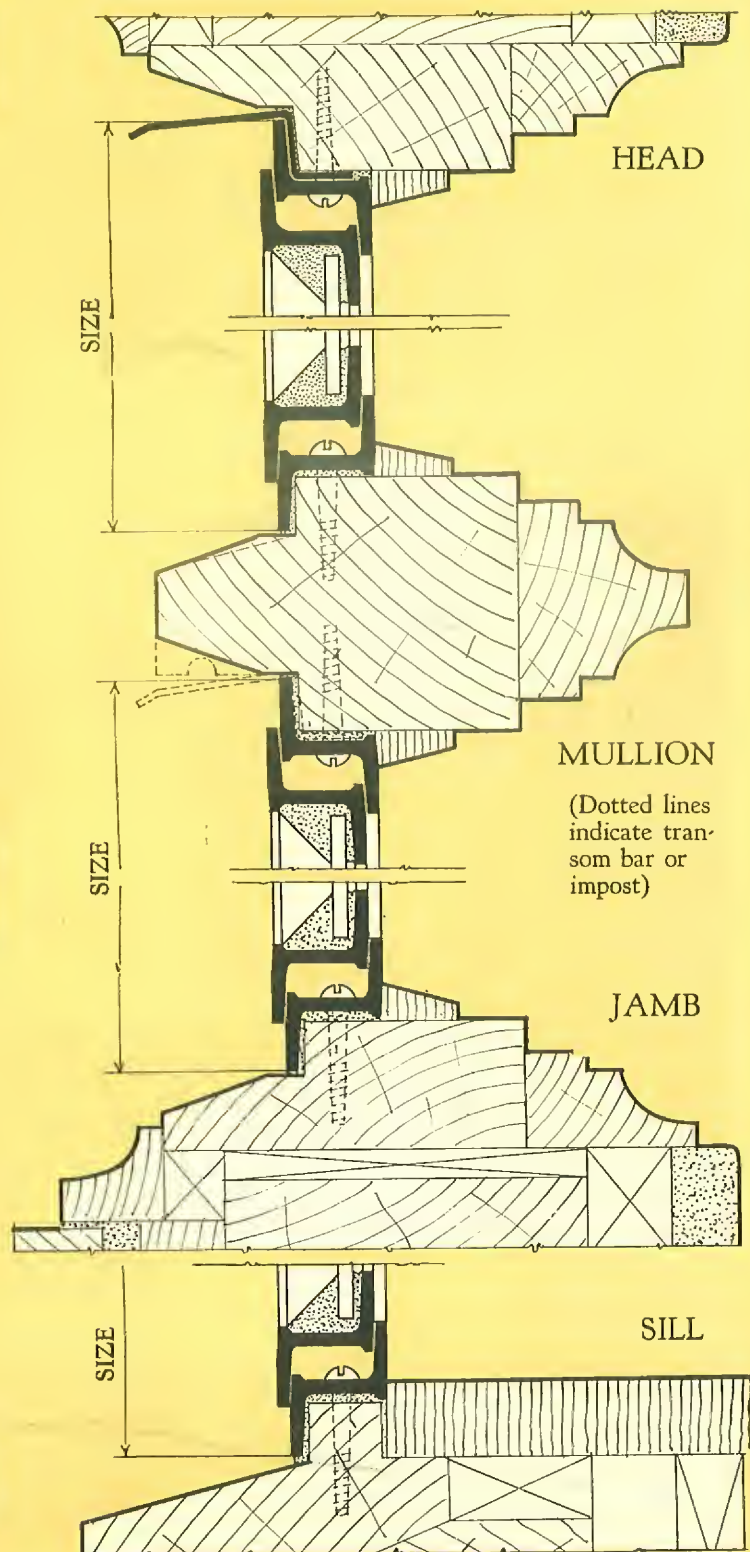
# DETAILS OF INSTALLATION

ONE-HALF SIZE

## STONE WALLS



## HALF TIMBER





*IN these widely divergent styles of houses, note the suitability of Lupton Casements to each design. No matter what type of home one may plan, Lupton Casements will bring out its full beauty.*



*ADDED to sheer beauty of appearance, Lupton Casements give constant convenience and proved security—threefold satisfaction to the owner of any Lupton equipped home.*



*THE graceful simplicity which governs modern decorative art points to Lupton Casements as the ideal windows for the refined home.*



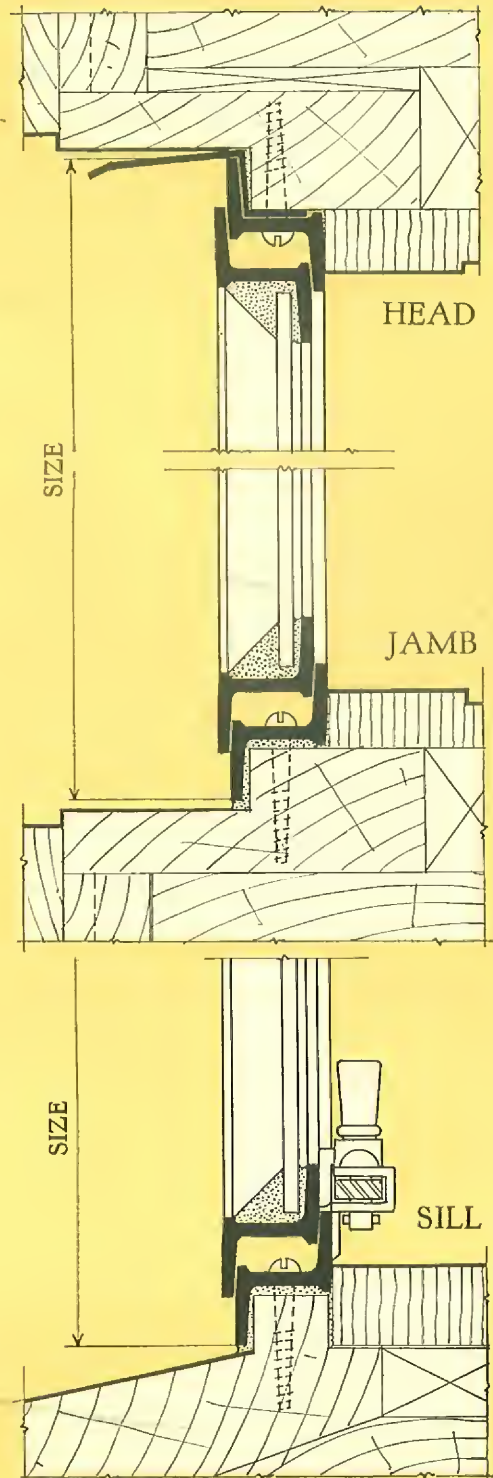
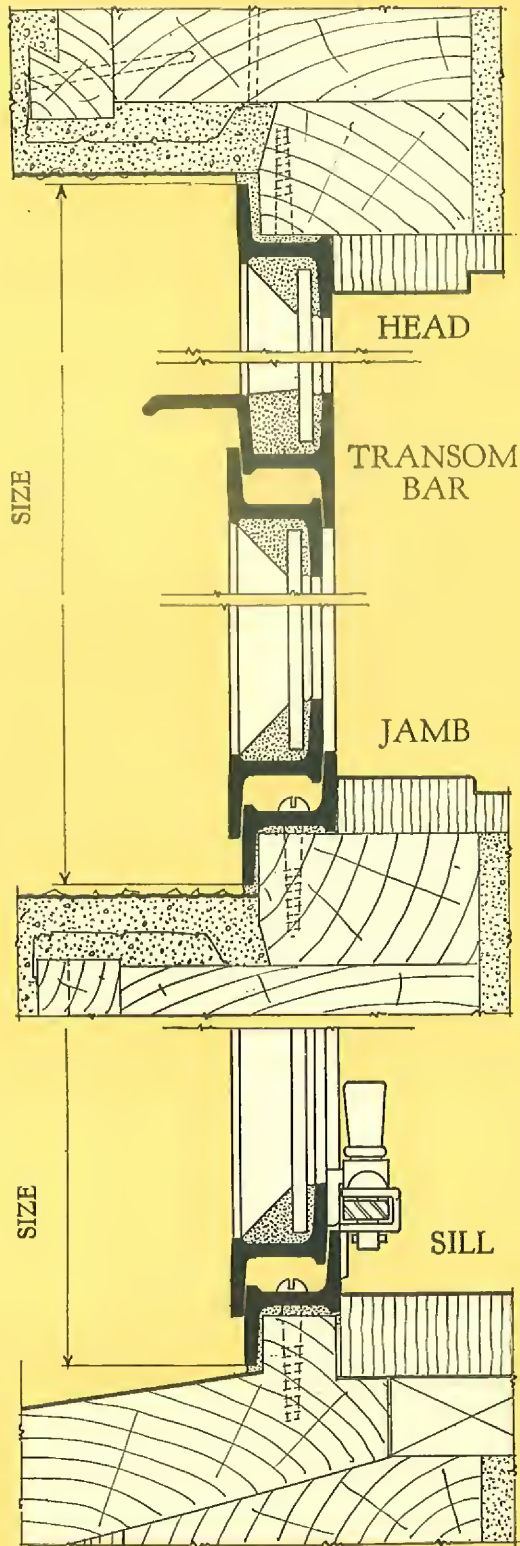


# DETAILS OF INSTALLATION

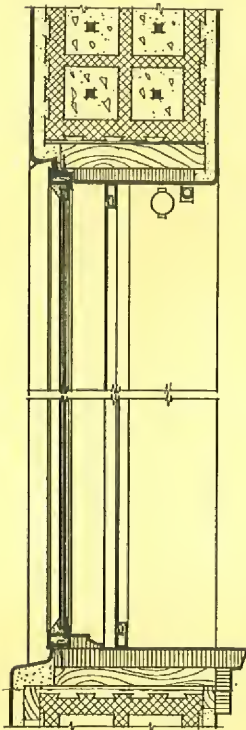
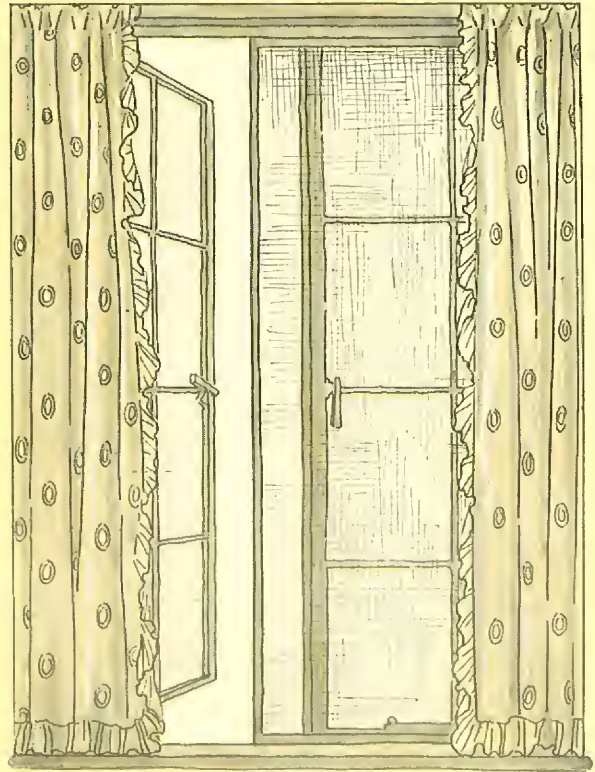
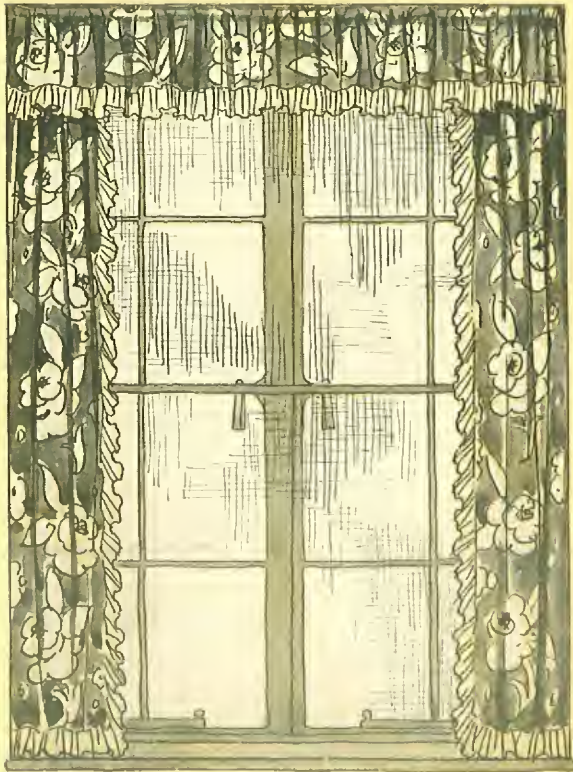
ONE-HALF SIZE

STUCCO

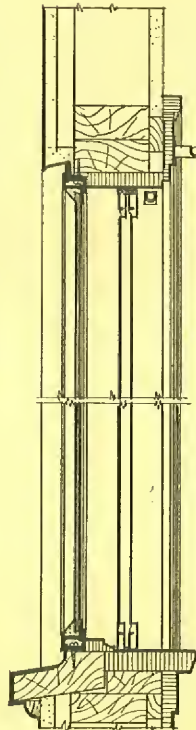
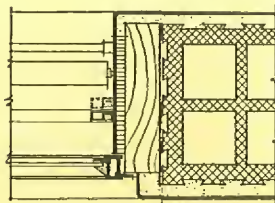
FRAME



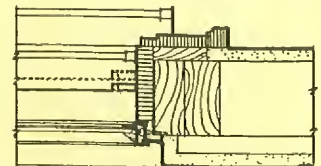
# APPLICATION OF SCREENS AND DRAPERIES



The treatment illustrated here is suitable for a bedroom or for the ground floor windows in a small cottage. The draperies in the left-hand sketch are of a flowered cretonne with a shirred valance. The edging is of a glazed chintz in a plain color. The sketch, as well as the corresponding head, jamb and sill details show the application of vertical sliding screens. A roller shade may be used if desired.

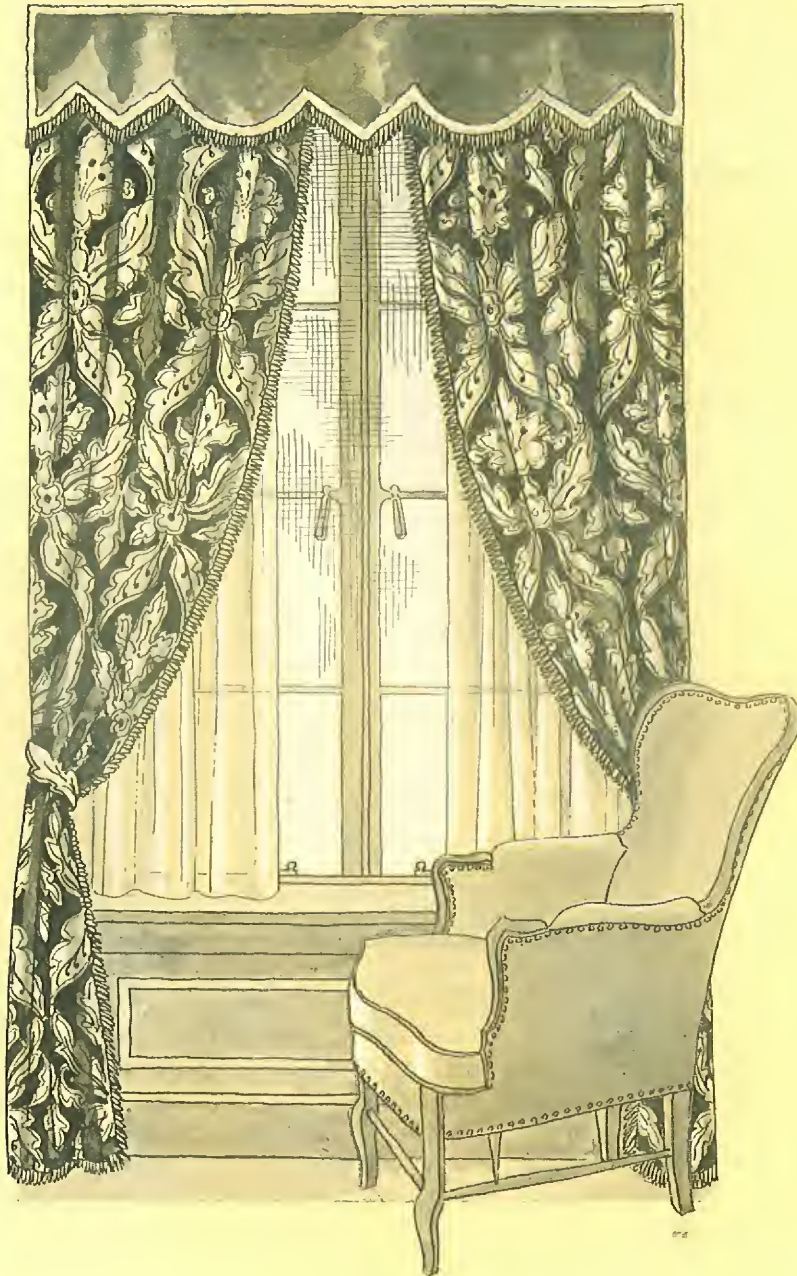


A simple treatment is shown above. Here the draperies are of muslin, edged with a frill of the same material. Horizontal sliding screens are shown. Either of the drapery treatments shown on this page can be used inside the window box as illustrated, or the curtain rods may be attached to the wall or trim. These suggestions may be varied in accordance with the particular setting of the casement.

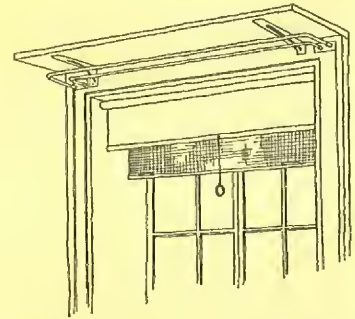
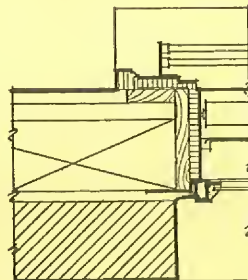




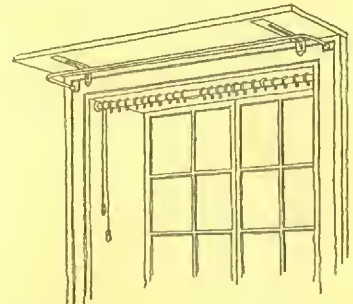
# APPLICATION OF SCREENS AND DRAPERIES



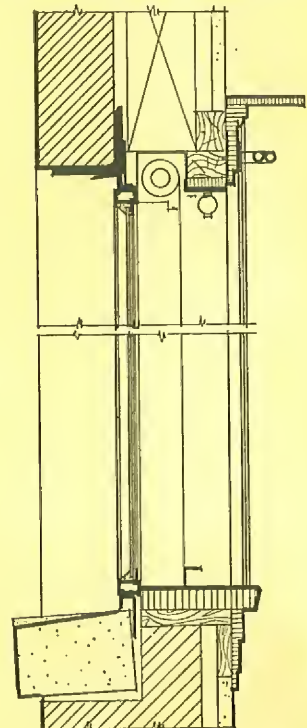
Here a two-toned damask is used for draperies, edged with silk fringe. The lambrequin is of plain damask edged with metal galloon and with fringe on the lower edge. The draperies are held back with wood or metal tie-backs. These draperies are suitable for the living room or drawing room. A rolling metal screen is illustrated.



Illustrating the goose-neck curtain rods and the blind cornice board which support the curtains. The inner goose-neck rod carries a curtain of silk gauze.

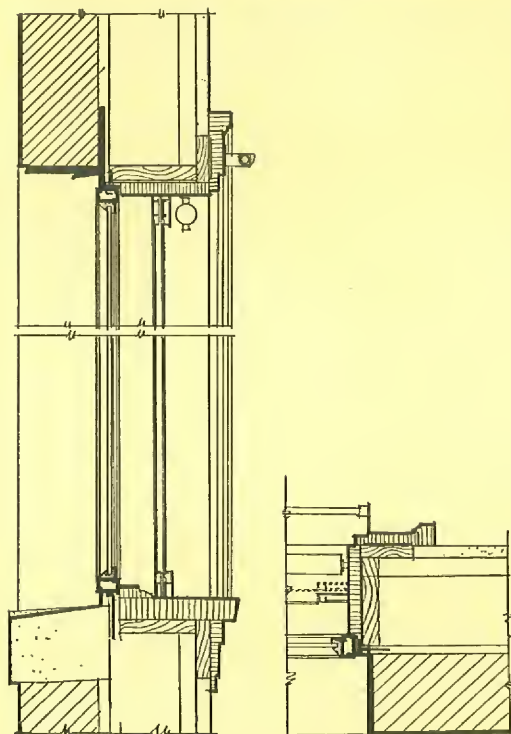
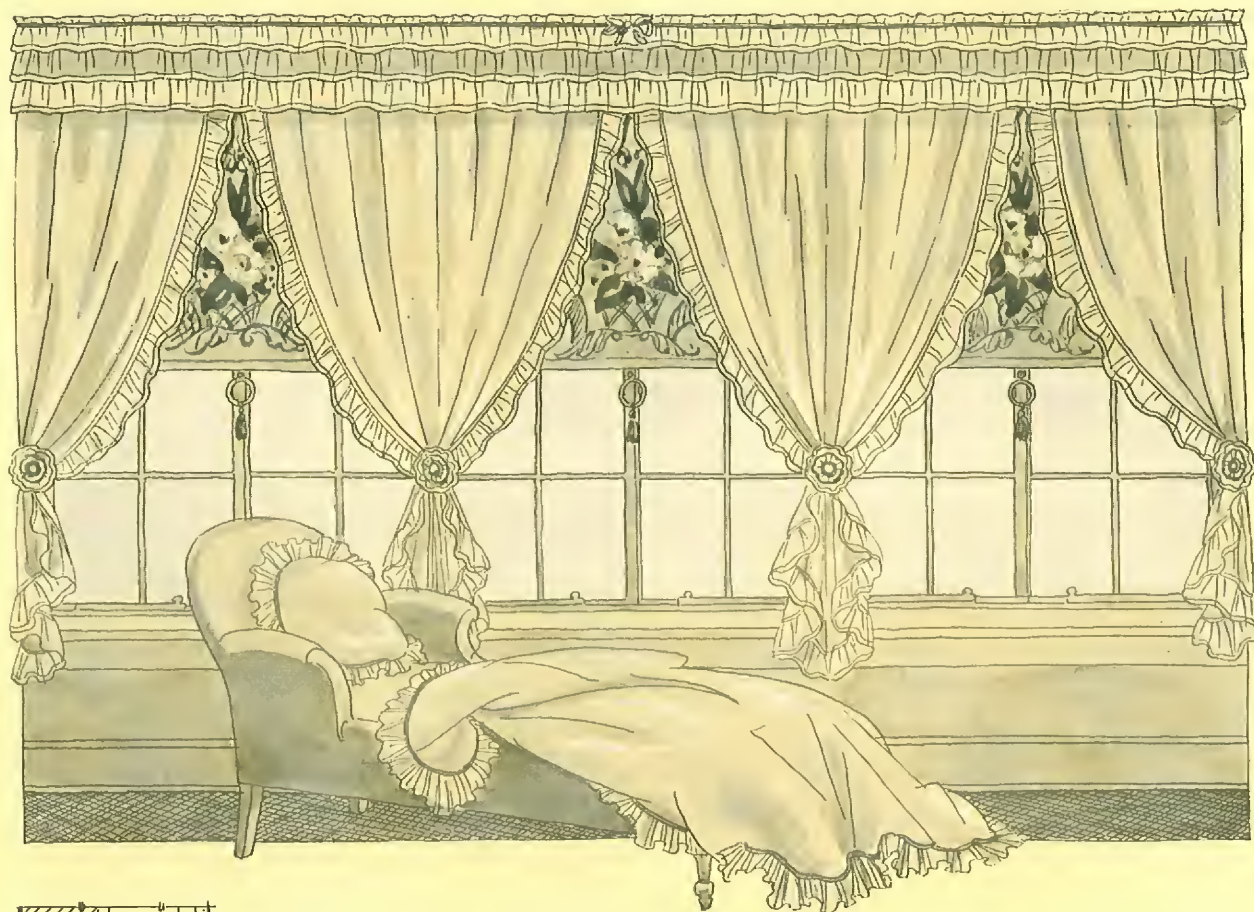


If preferred, the gauze curtains can be hung on a traverse rod and no roller shade used. A single goose-neck curtain rod, however, is required for the other curtains.





## APPLICATION OF SCREENS AND DRAPERIES

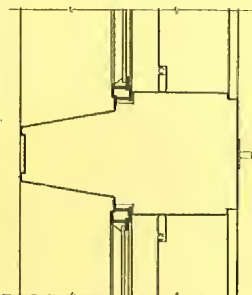
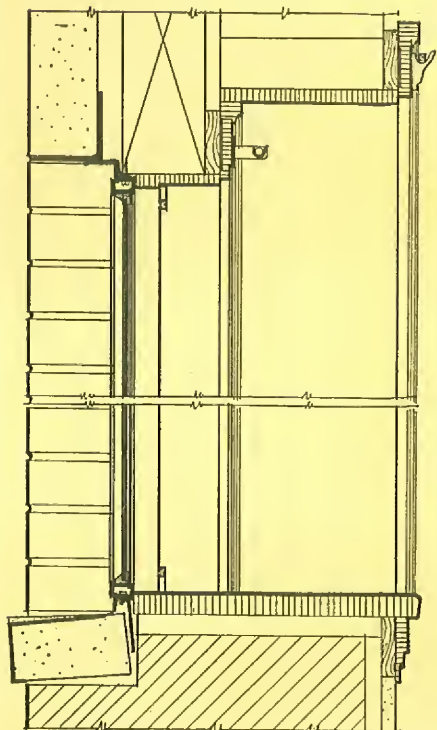
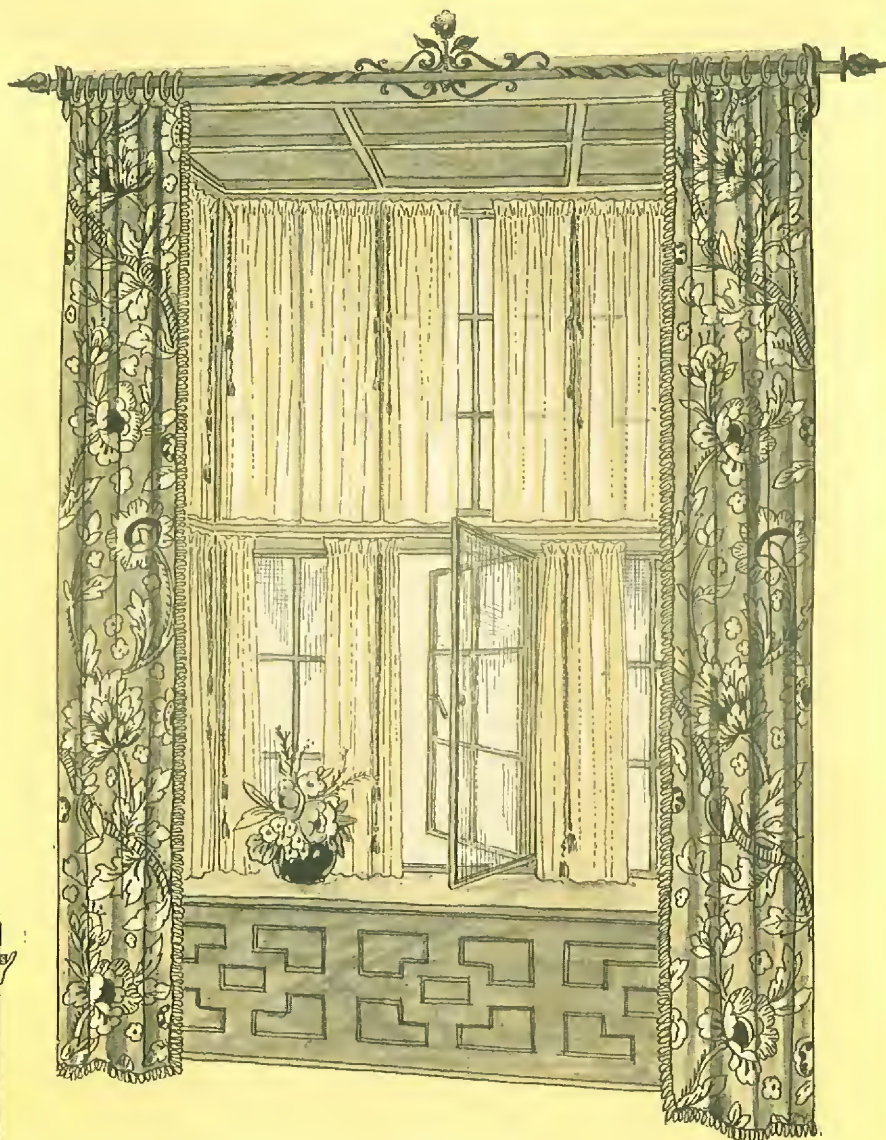


A charming treatment for a boudoir or upstairs room. The group of windows is curtained in transparent silk Sunfast with ruffled lambrequin and ruffled curtains. Tie-backs are rosettes made of the curtain materials. Roller shades are of a glazed chintz with flowered pattern. Horizontal sliding screens are most suitable for such a setting.



# APPLICATION OF SCREENS AND DRAPERIES

A suitable setting for a typical Jacobean room, showing how a double set of casements may be used in a bay or deep window recess with curtains arranged for the greatest flexibility of handling.



In a treatment like the one suggested above, the casement cloth curtains are arranged to operate separately, in each pair, enabling one to open window screens wherever desired. The over-curtains shown are English Crewel embroidered in linen edged with wool fringe, hung on a wrought iron pole with rings. For this sort of installation, side hinged screens are suitable.



# LUPTON BASEMENT WINDOWS

## of Copper-Steel

JUST as Lupton Casements improve the upper stories of a house, Lupton Basement Windows make the basement more useful and attractive. They give the maximum daylight and ventilation obtainable from standard openings and render a life-time of service.

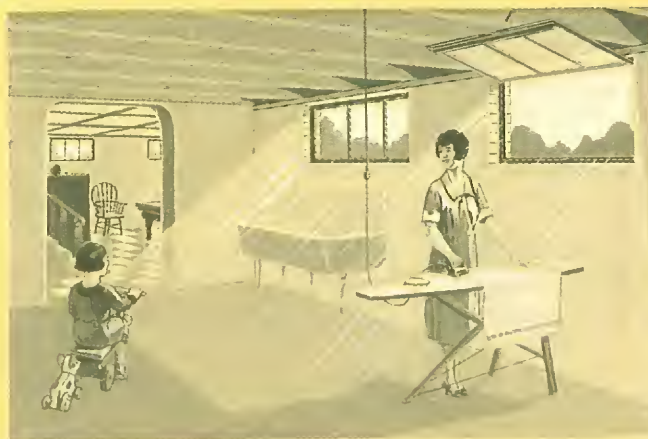
Through years of successful manufacture and sale, Lupton Basement Windows have come to be a staple product, with definite superiorities over other similar sash. Lupton Basement Windows are made of solid, rolled copper-steel sections, mitered at each corner and solidly jig-

welded. This construction gives unusually rigid, durable windows, capable of withstanding the rough usage sometimes accorded them.

Other features are the drip integral with the lower sash member, the split-pin hinges, and the convenient lock.

Lupton Basement Windows are made in five standard sizes to meet practically every requirement and are carried in stock by deal-

ers everywhere. Sold complete with hardware and one coat of paint, Lupton Basement Windows insure a durable, economical, good-looking job in any type of wall.



Lupton Basement Windows make the basement a useful and attractive part of the house



### Stout Welded Corners

Corners are stoutly welded (not bent). This makes a rigid window that will not warp or get out of square. It also insures an accurate and lasting fit to the sash.



### Loose Pin Hinge

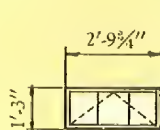
Hinge butts are solidly riveted to the frame and the sash, but the sash may be removed from the inside for glazing, either before or after setting, by removing the split hinge pins.



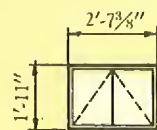
### Solid Steel Drip

An extra degree of weather-tightness is gained by the solid steel drip, which is an integral part of the bottom sash member.

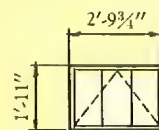
## STANDARD SIZES



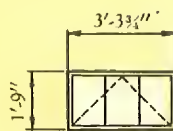
HW-31  
10" x 12" GLASS



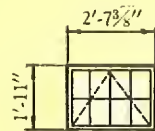
HY-21  
14" x 20" GLASS



HR-31  
10" x 20" GLASS



HX-31  
12" x 18" GLASS



HS-42  
6 1/4" x 9 1/4" GLASS

The Lupton "Security" Steel Window can be locked closed or partly opened, and the small glass openings act as a barrier to intruders even if the glass should be broken.

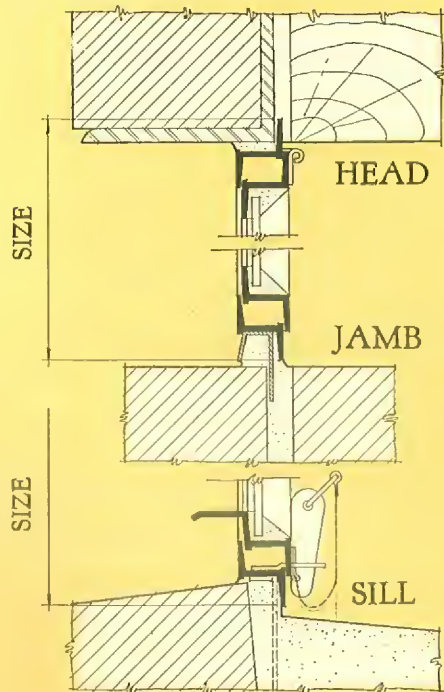




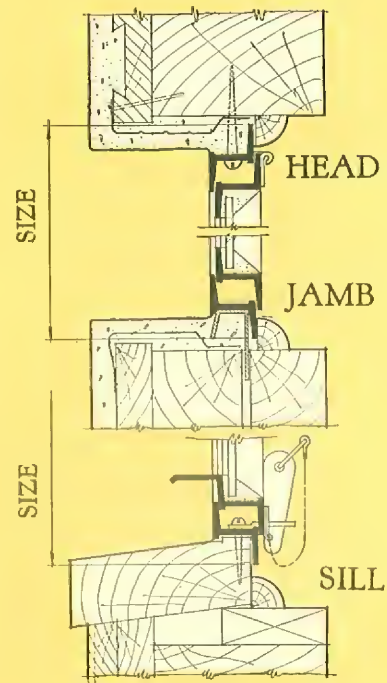
# LUPTON BASEMENT WINDOWS

DETAILS OF INSTALLATION  
ONE-FOURTH SIZE

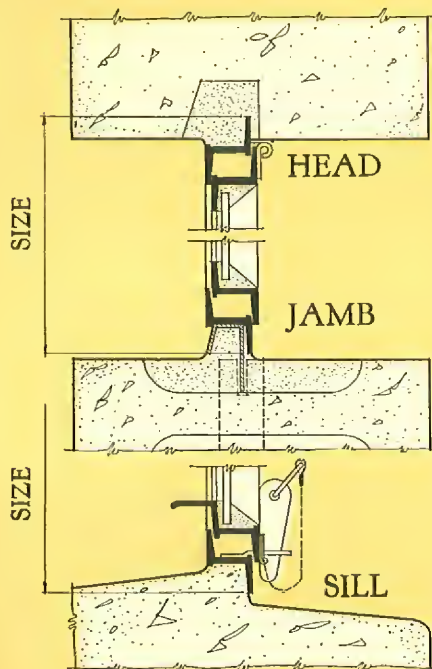
BRICK



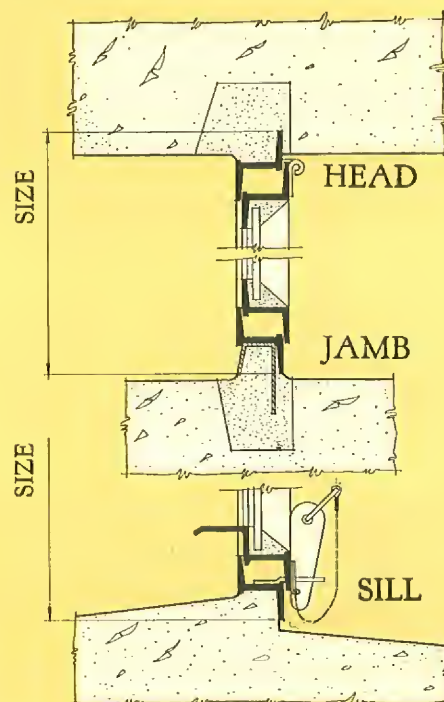
STUCCO



CONCRETE BLOCK



POURED CONCRETE



# OTHER LUPTON PRODUCTS

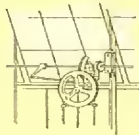
## Lupton Pivoted Sash



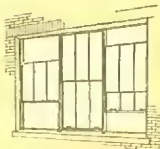
The standard and accepted steel window for factories, stores, garages, warehouses and all sorts of business buildings. Rigidly built of solid steel rolled sections. Made in 25 stock sizes for immediate shipment.

## Lupton Operating Device

A device designed on the torsion principle which gives efficient control of sidewall pivoted sash in medium length runs. May be equally well applied to existing steel or wood sash. Manual operation.



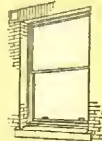
## Lupton Counterbalanced Sash



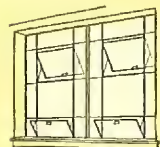
These windows make balanced ventilation automatic. When the lower sash is opened, the upper sash lowers an equal distance, thus providing an entrance for fresh air and an exit for exhausted air at the same time.

## Lupton Double-Hung Windows

A practical, good-looking, easy-moving window for office buildings, hotels and apartments. Weather-tightness is assured by the carefully designed construction of galvanized steel plate. Low cost is due to quantity production.



## Lupton Projected Sash



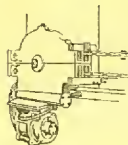
First made by Lupton, this type of sash has met with constantly increasing popularity for factories, office buildings and schools. Easily operated ventilators stay open in any position. Made in Architectural and Industrial types.

## Pond Continuous Sash

This sash forms a transparent, weather-protecting shelter over a continuous opening, and gives remarkable efficiency in the natural lighting and ventilation of industrial buildings. Long runs are readily controlled by Pond Operating Device.



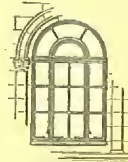
## Pond Operating Device



Employing the tension principle, Pond Operating Device has no equal for operating runs of top-hung sash or large groups of pivoted sash. Free from useless stresses. Gives efficient mass control and exceptionally long service.

## Lupton Casements

### HEAVY TYPE



The highest grade steel windows for banks, libraries, clubs, office buildings or fine residences. They are made in six standard types, and can be furnished to suit any size or shape of opening.

## Lupton Standard Steel Doors

Modern doors for every commercial and industrial purpose. They are made of heavy sheet steel built-up and spot-welded at vital points. Furnished in standard sizes in both Hinged and Sliding types.



## Lupton Steel Tube Doors



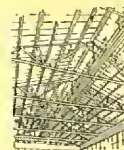
Ideal for the inside and outside doors of factories, power-houses, warehouses and other industrial buildings where great strength and rigidity are required. They are made from seamless steel tube, oxy-acetylene welded throughout.

## Lupton Steel Partition

Lupton Steel Partition is strong, rigid, and dignified in appearance. Bolted construction makes it readily removable in units. Interchangeability is assured by standard heights and widths of units. Easy to keep clean.



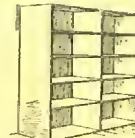
## Lupton Rolled Steel Skylight



Built to stand severe service. Glass is held between strips of specially treated fibre, eliminating breakage due to vibration and wide range of temperature. The cap is either of copper or galvanized steel, the base of steel.

## Lupton Steel Shelving

A type suited to every storage requirement. Storage Shelving for mills; Display and Unit Shelving for stores and offices; Racks for special requirements; all cut maintenance costs, conserve floor space and simplify store keeping.



## Lupton Steel Factory, Store and Office Equipment

Lupton Factory Equipment solves the problems of industrial furniture. Made of smooth, durable steel, Lupton Shop Desks, Bench Legs, Bench Drawers, Tool Cabinets, Utility Cabinets, Display Counter, etc., give lasting investment value. Easily kept clean.



## LUPTON SERVICE

Lupton service, available at all Lupton branch offices, includes advice regarding details of installation. Recommendations for screening, shades and drapes, as applied to your individual requirements and particular style of house, will also be furnished on request.

Call upon this service freely. It is gladly given without obligation.





*"everywhere"*